

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE Information Disclosure Statement by Applicant (Use several sheets if necessary)	ATTY. DOCKET NO. MTS-520US5	SERIAL NO To Be Assigned
	APPLICANT M. Oshima et al.	
	FILING DATE	GROUP 21341

15879 U.S. PTO
 10/01/7973
 12/07/01

U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
PC	5,513,169	4/30/96	Fite et al.	369	272	11/29/94
↓	5,050,150	9/1991	Ikeda	369	44.27	7/27/90
↓	5,502,702	3/1996	Nakajo	369	58	8/5/94
↓	4,758,058	7/1988	Cato et al.	350	3.71	1/12/87

FOREIGN PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Country	Class	Sub Class	Translation YES/NO
PC	9101358	3/1/93	The Netherlands			X
↓	4308680	10/28/93	Germany			X
↓	553545	8/4/93	EPO			X
↓	5-266576	10/15/93	Japan			X
↓	7-325712	12/12/95	Japan			X
↓	2-44448	2/14/90	Japan			X
↓	63-46541	2/27/88	Japan			X
↓	63-164043	7/7/88	Japan			X
↓	61-190734	8/25/86	Japan			X
↓	5-325193	12/10/93	Japan			
↓	0 545 472A1	6/9/93	EPO			


OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

PC	1	European Search Report dated 5/15/97
PC	2	International Search Report dated 1/30/96

Examiner <i>Paul Callahan</i>	Date Considered <i>11/17/02</i>
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Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	APPLICANT M. Oshima et al.		
	FILING DATE	GROUP 2134	

U.S. PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
PC	5,418,852	05/23/95	Itami et al. (corresponds to DE 4308680)	380	4	3/17/93
↓	5,982,886	11/9/99	Itami et al. (corresponds to DE 4308680)	380	4	10/11/96
↓	5,371,792	12/6/94	Asai et al. (corresponds to EP 0553545)	380	3	12/21/93
↓	RE 35,839	7/7/98	Asai et al. (corresponds to EP 0553545)	380	3	8/25/94

FOREIGN PATENT DOCUMENTS

Exmr Initial	Document Number	Date	Country	Class	Sub Class	Translation YES NO
PC	EP0553545	08/04/93	EPO (corresponds to USP 5,371,792 And USP RE 35,839)			
↓	DE4308680	10/28/93	Germany (corresponds to USP 5,418,852 And USP 5,982,886)			
↓	NL9101358	03/01/93	Netherlands			

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

PC		European Search Report dated August 23, 2001, application no. EP01108949.

Examiner Paul Callahan	Date Considered 11/17/02
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